

1958

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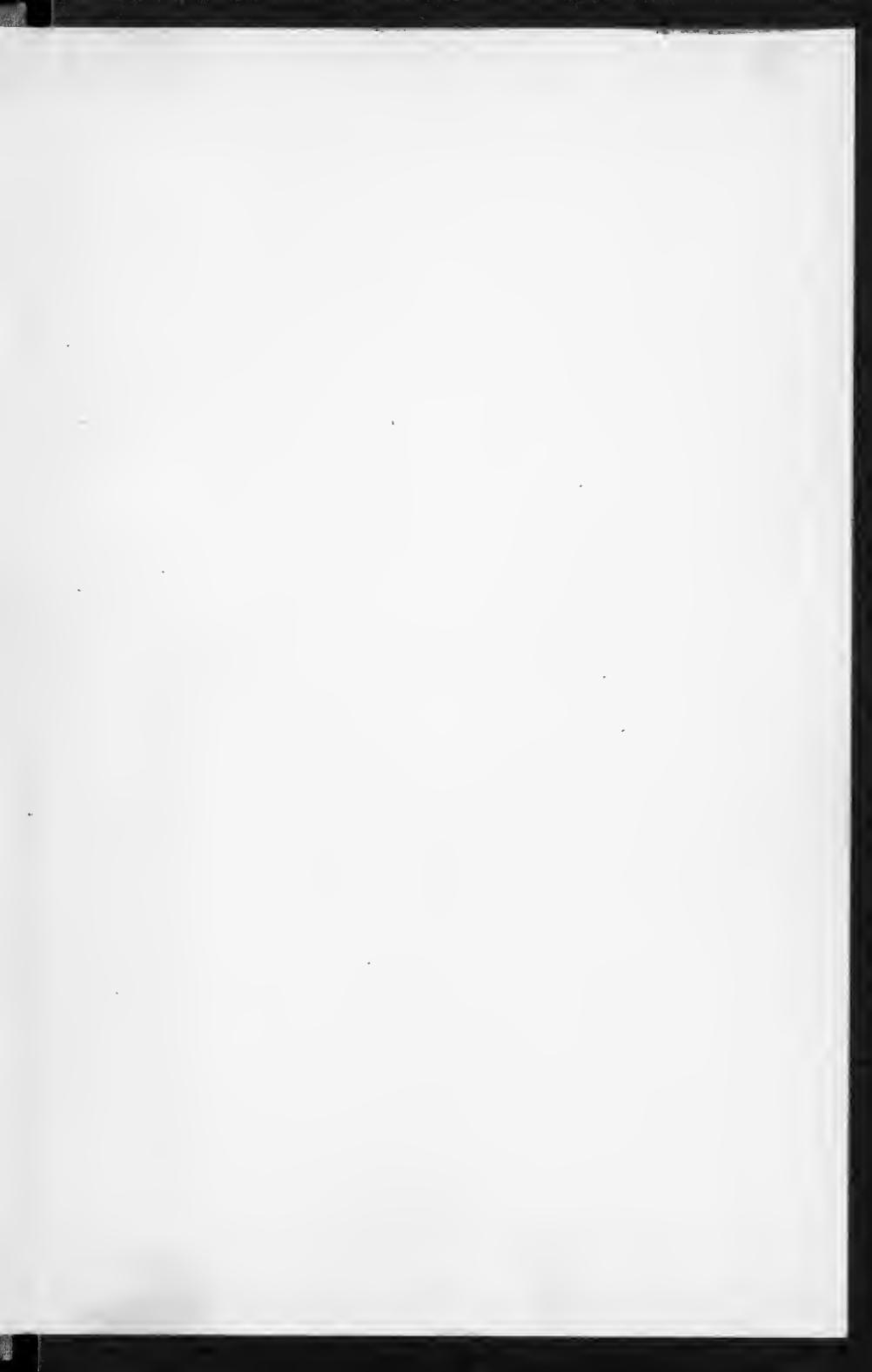
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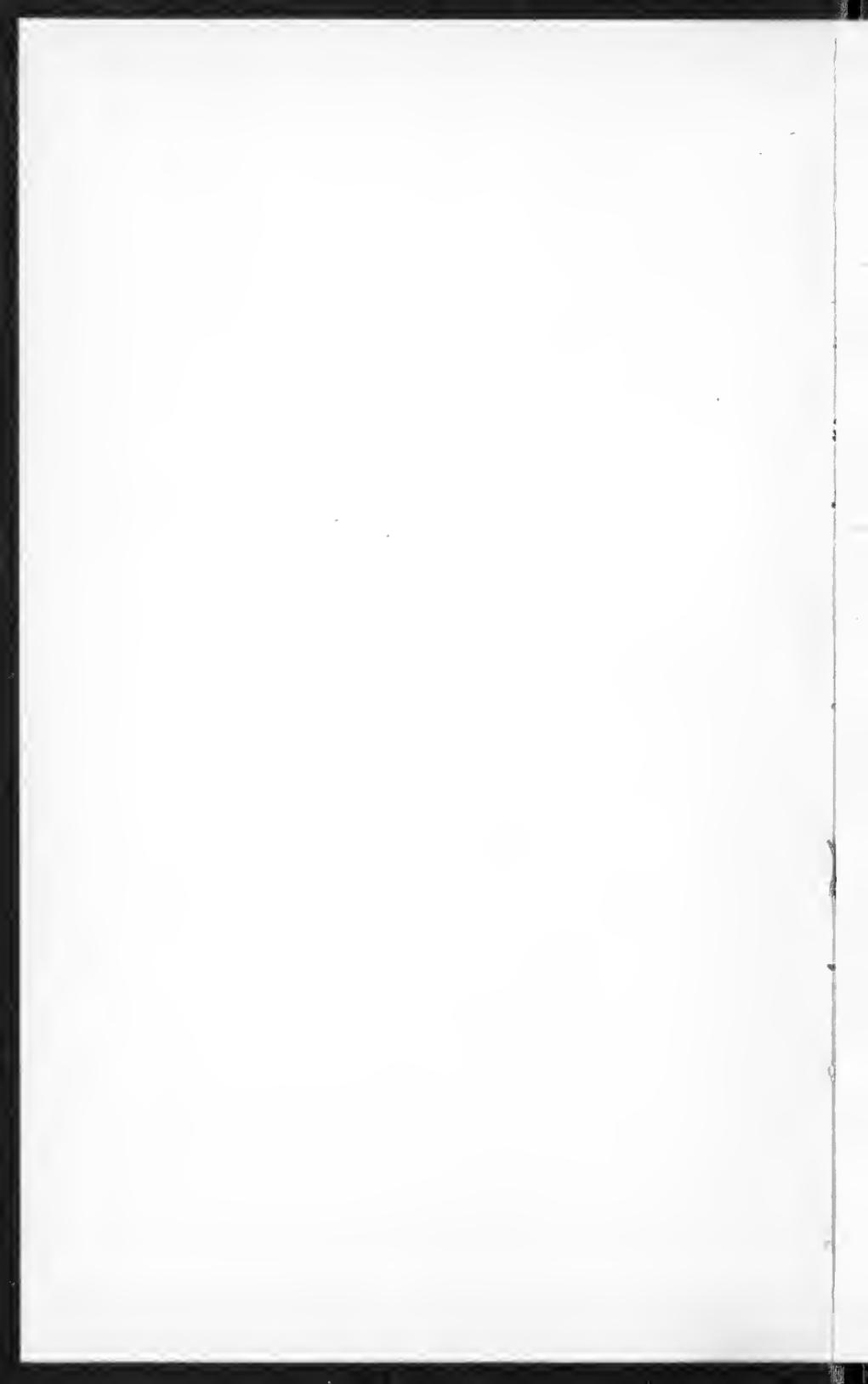
Reed C. Rollins

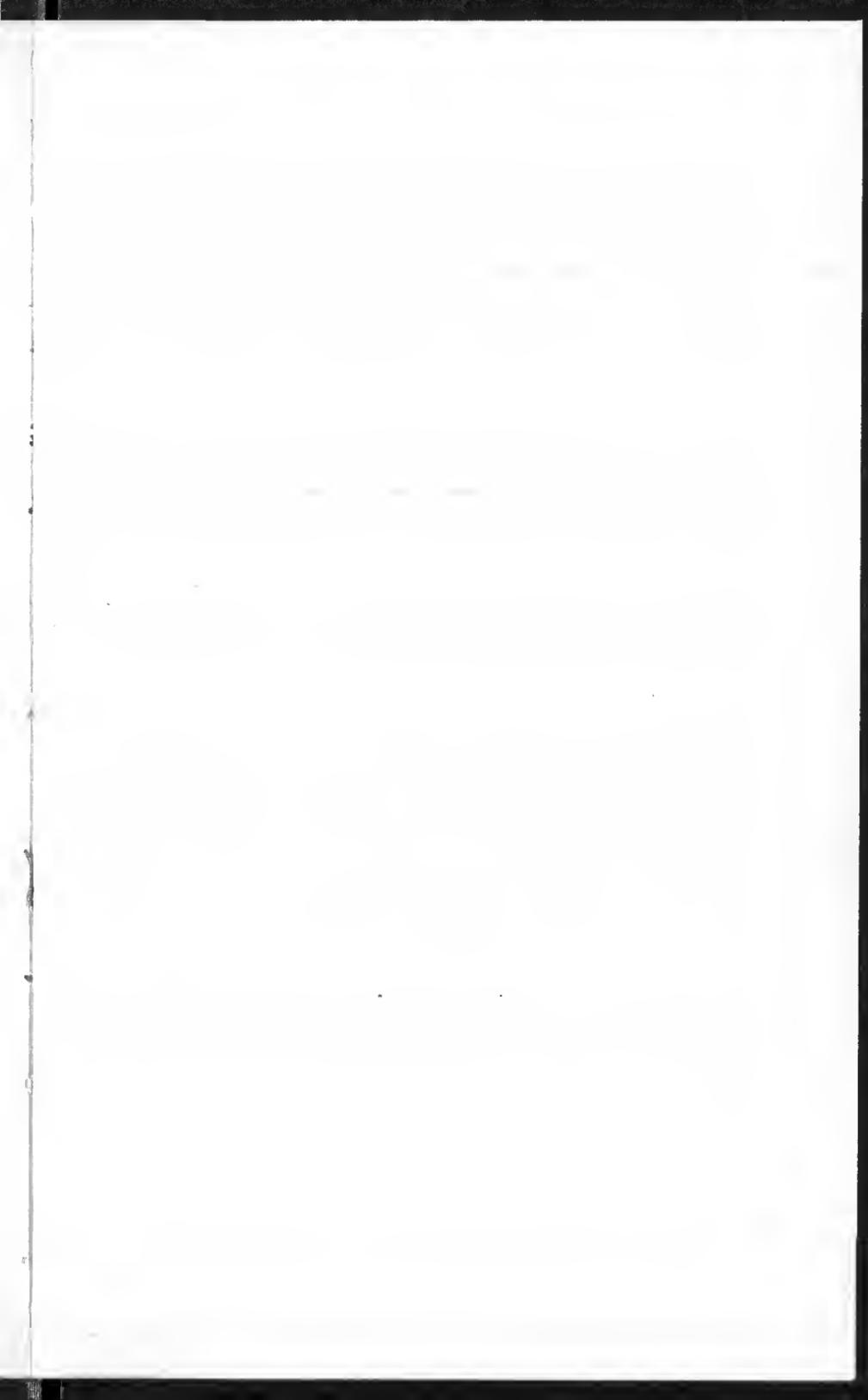
22 Divinity Ave.

Cambridge 38, Mass.

U. S. A.







With Rolla M Troyer

5801 *Parthenium hysterophorus* L. (2)
Fls white, abundant in fields
and along roadside, 3 miles north
of New Braunfels, Comal Co.,
Texas. Nov. 13, 1958

(Village 24098)

5802 *Linnun rigidum* Persch var. *filifolium* ^{Shinnerae}
Fls. orange, perennial, 4 miles.
southwest. of C. Nuevo Laredo,
Tamaulipas, Mexico - nov. 14
sandy area

5803 *Polefoxia texana* D.C. var *texana*

Shrubby, ligules purplish; -
as 5802

5804 *Heliotropium confertifolium* (Torr.) Torr.

Var. a

Fls white, clumps 1-2' tall.
as 5802

5805

Dyscodia pentachaeta (D.C.) Rob. var. *pentachaeta*
Pect.

Cassipela, fls yellow
as 5802

5806 (Pectis) *Gutierrezia glutinosa* (Schauer) Sch. Bip.
Shrubby up to 2 ft., diffusely branched
as 5802

5807 Path in confertum Gray ⑤
fls. white var. *lyratum* (Gray) Tolmann
as 5802

5808 *Argythamnia neomexicana* (Euphorb.)
Muel. Arg. gravelly soil 3-4 miles south
of Nuevo Laredo, Nuevo Leon
Nov 14

5809 *Florestina tripteron* D.C. Comp
Ray fls white

5810 *Lantana graveolens* HBK Verben
Shrub - 1-3 ft. highly scented odor,

5811 *Ximenia encelioides* Cav.
Fls. yellow - diff. by branch q
as 5808

5812 *Bouteloua trifida* Thurb. ⑥
perennial. det. Keefer
as 5808

5813 *Panicum hirticula* R. Gramine ⑥
Bunch grass det. Keefer
as 5808

5814 (*Cnidoscolus*) *Solanum rostratum* Durdl.
Fls. yellow, clumps along road.

5815 *Chamaesaracha coronopus* (Durdl) Gray
(*Physalis*?)
Fls. cream colored, clumps
annual.

5816 *Physalis lobata* Torr.
Fls. purple
Annual.
as 5808

5817 *Sphaeralcea hastulata* Gray (Malvaceae)
Fls. reddish-orange
as 5808

5818 *Ipomoea trichocarpa* Ell.
gravel and chips,
limestone hill, 1/2 miles S. Stewart
of Monterrey, Nuevo Leon,
Alt. 2100 ft.
Nov. 15, 19. 8
Fls. rose purple

5819 *Commelinia erecta* L.
Fls. pale blue
as 5818

5820 (*Martynia*) *Proboscidea fragrans* (Lind.) Scme.
Fls. deep purple, yellow at center of
lower lip, splotched
as 5818

5821 *Mirabilis* (*Allionia*)
Fls. bright carmine,
perennial
as 5818

5822 *Commelin*. *erecta* L.
Fls. deep sky blue,
as 5818

5823 (*Cowordia* ?) *Sipomoea costellata* Torr.
Fls. white, scrambling vine,
as 5818

5824 *Allionia incarnata* L.
Stems in groups, fls. pink

5825 *Tridax coronopifolia* HBK. ^{Dense.} _(Comp.) 5
Rays white, disc yellow.
perennial

Chamaesyce cunbrae (Burm.) Millsp.

5826 (*Euphorbia*)
annual, erect and highly branched,
stems red.
as 5818

5827 *Eragrostis cilianensis* (H.H.) (2)
annual, decumbent. *hutata*
as 5818 det. Kedz

5828 *Cyperus inflexus* Muhl. (sedge)
annual, low wet spot.
as 5818

5829 *Tradescantia micrantha* Torr.
Fls. pink.
as 5818

5830 (*Ceratostigma*) *Drymaria laxifolia* Benth.
Fls. white.

5831 *Berlandiera lyrata* Benth. Comp.
heads yellow, perennial
as 5818

5832 *Mentzelia hispida* Willd.
Fls orange
as 5818

5833 *Panvitalia cynoides* DC Comp
Rays lemon yellow
as 5818

5834 *Evolvulus alsinoides* L.
fls. blue to pale blue
stems trailing or semi-erect.

5835 *Cordia boissieri* DC
fls white with yellow throat, shrub.
as 5818

5836 *Parthenium confertum* Gray
var. *microcephalum*
Fls. white, perennial
as 5818

5837 *Dysodia micropoides* (DC.) Loes. (Comp.)
Fls yellow, foliage widely
gravelly knoll, 3 miles south
of Cadereyta, ~~south~~ east of Monterrey,
Nuevo Leon, alt. 1400 ft.
Nov. 15.

5838 (*Brahmeria* ?) *Acalypha hederacea* Torr.
spikes red.
as 5837

5839 (*phytopolis*) *Chamaesaracha villosa* Rydb.
Fls. lemon yellow, annual
as 5837

5840 *Sida procumbens* Sw. s.l.
Fls. salmon yellow, perennial.
as 5837

5841 *Verbena canescens* var. *Poemeriana*
Fls - blue, perennial. (Schock) Perry

5842 (*Bacca* is) *Brickellia laciniata* Gray
Shrub 4-5 ft
as 5837.

5843 *Bantanella microcephala* A. Rich.
Fls white; shrubby at base 1-2
ft.

5844 *Solanum erianthum* D. Don
Fls white, shrubby, up to 4
ft. high.
18 miles south of Cadereytá,
in the east of Monterrey - alt. 2000 ft.

5845 *Eupatorium* sp. Comp.
Shrub up to 6 ft., much branched,
fls pale pink, nearly white
just east of Allende Nuevo Leon,
alt. 1800 ft., Nov. 15, '58
about 40 miles southeast of Monterrey

5846 *Croton ciliatoglandulifera* Ort. Euphorb.
p. to nite, no.
3-4 ft. high, very branching, glandular.
as 5845

5847 *Eupatorium odoratum* L. Comp
heads ~~blue~~, woody at base, esp
4 ft. high
as 5845

5848 *Verbascina pensicifolia* D.C. comp
fls. yellow
4 ft. high.
as 5845

5849 (Nat. n.) *Solanum Rollinsii* M.C. Johnst.
^{sp. nov.}
Fls. white; Fruits with dark green
vertical stripes, the ovoid ones
of blue color.
shaly soil; 28 miles south of
Monterey, N.B. - alt. 1800 ft.

(2610)

5850 *Euphorbia villicera* Pcheck.
as 5849

5851 (*Euphorbia*) *Chamaesyce prostrata* (Ait.) Small
prostrate, pubescent
as 5849

5852 *Oxalis drummondii* Gray
(det M.F. Denton)
Fls rose purple, under leaf axils
deep red.
Steep bank, near top Chippingue
Mesa, west of Moab, ut.,
alt 3200 ft. Nov. 16. '50

5853 *Sedgewickia pallescens* (Pursh) Springer ③
Wet banks; as 5852

5854 (*Plantago*) *Stellaria prostrata* Ell.
in wet soil, scrubland
as 5852

5855 *Nama biflorum* Choisy Desmierocene?
Fls white, cespitose
as 5852

inoll 5856 *Eupatorium* sp. Comp
Fls white, sparsely shrub, 2-5 ft
bank.
as 5852

5857 *Salvia urolepis* Fern., var aff.
Fls. bluish-white. 2-4 ft. height
as 5852

5858 (prob.) *Arbutus xalapensis* HBK
Fruit red, oval, about 1 in.
shrub about 3 ft. high,
rock, oak-pine woods,
as 5852, 4,300 ft
noo. 16

5859 *Pilea microphylla* (L.) Liebm.
wet bank
as 5858

? 5860 *Pellaea atropurpurea* (L.) Link ♂
Rocky bank
as 5858

5861 (*Ageratina*) *Chaptalia nutans* (L.)
Heat. var. Polak.

Morton ①
5862 *Cystothecium umbonatum* (Mittenzw.)
Among rocks in oak wood.
as 5858

5863 *Blassea cordifolia* Lag. ②
Among limestone rocks, oak
wood. - as 5858

5864 *Pteridium aquilinum* var. *candicans*,
(L.) Sadebeck ③
Among limestone rocks, oak
wood. as 5858

5865 (*Phyllanthus*) *Acalypha dioica* S. Wats.
pine woods. woody at base

5866 (*Bernardia*) *Croton fruticosus* Torr.
low sprawling shrub, up to 3 ft.
high, dioecious, Oak-pine woods
as 5857

5867 *Eupatorium incarnatum* Wats (Co.)
low ~~spreading~~ Franklin, heads numerous,
showy.

5868 *Vitis rotundifolia* bivalve (L.) Britt.
petioles white with a purple tip
on the main vein
Oak-pine woods, as 5858

5869 *Polypondium plesiosorum* Age. (2)
on limestone rocks, as 5858

5870 *Cardamine mexicana* Schrad. (4)
limestone cliff, as 5858

(8)

5871 *Cardamine auriculata* Wats.
fls white, wet bank. highly branched
alt. 4,400 ft.

5872 (*Cerastium*) *Drymaria laxiflora* Benth.
Fls white, light, branched
as 5871

5873 *Cardamine mexicana* Schubz
Steep slope, ^{at open talus}, fls. white, plants
branched
as 5871

5874 (*Epilobium*) *Aenothera kurtthiana* (Spreng.)
Fls deep rose, open talus ^{Mary}
as 5871

5875 *Eupatorium* Sp. Comp.
heads white, herbaceous, stoloniferous
as 5871

5876 *Stevia verlandieri* Gray
heads light pink, shrub about
~~1~~ 1-2 ft. high
as 5871

5877 *Rubria chlorolepis* W+5 Comp.
Woody at base, heads maroon,
as 5871

5878 *Eupatorium* sp.
Head light green, becoming brown
at all. 4,000 ft. 5871

5879 () *Hedysotis hispanica* (Lam.) Hook.
3 miles west of Monterey,
alt. 2500 ft.
Nov. 16th '11

5880 () *Aloysia macrostachya*
as 5879

5881 () *Nierembergia viscosa* Torr.
rose purple, woody at base.
as 5879

5882 (C. sterna) *Calylophus Hartwegii* (Benth.) Raven
Fls. yellow; perenn.
Limestone hillsides, western on N. side
of Monterey, alt. 2100 ft.

5883 *Euphorbia dentata* Michx.
lvs. lvs.
as 5882

5884 (*ciliolaris*) *Salvia texana* (Scheele) Torn.
Fls. deep bl. c., peren. lvs.
as 5882

5885 *Florestina tripteris* DC. Co - p.
Fls. lvs. white
as 5882

5886 (*Euphorbia*) *Chamaesyce nutans* (Lag.) Small
bulbous, slender, annual
as 5882

5887 *Abutilon hypoleucum* A. Gray
Fls. yellow; shrubby up to 15 ft.
high
as 5886

5888 (*Salvia* ?) *Lippia graveolens* HBK
Fls. white
as 5886

5889 (*Sida*) *Herissantia crispa* (L.) Brizley
Fls. yellow, up to 15 ft.
as 5886

5890 (*pt.* ?) *Nespringlea integrifolia* (Hensl.) Wats.
Shrub up to 10 ft.
as 5886

5891 *Sida ballotaeflora* Benth.
Fls. pinkish, up to 15 ft.
as 5886

5892 (*Brian* ?) *Brickellia laciniata* Gray
shrub 3 ft. high, herb. 2 ft.

5893 - *Lycopodium greggii* Gray (7)
Fls. white, sprawling, perennial
grassy soil wash, 5 miles west
of Santa Barbara toward Sailes,
Alt. 3000 ft. - Rivers been.
Nov. 17

See 58321

5894 *Lepidium lasiocarpum* Nutt.
annual. as 5893

5895 *L. l. - quadrangulata* Heller
as 5893 annual.
as 5893

5896 *Abronia* ?
Fls. corolline, pale blue
as 5893

5897 (*Santolina*) *Salvia rhyacophila* Tern?
1 ft high fls. pale blue.

5898 (*Santolina*) *Salvia reflexa* Hornem.
1-3 ft tall, fls. pale blue

58100 *Gutierrezia microcephala* (DC.) Gray

wind. shrub - ta "

rays yellow

as 5893

58100 *Cylindera mexicana* (Brandg.) I.M. Johnst.
Fls. white annual

as 5893

58101 *Nama serpylloides* Gray
corolla whorl pink,
as 5893

58102 *Tragus Berteroianus* var. ④
Schult. Schult. ex

58103 *Heliotropium angustifolium* Boiss.
var. ^{anisum} Nees
to 1m tall, fls. blue

58104 *Draba cuneifolia* Nutt. ⑦
var. *integripolia* Watson
Annual, shade of large bushes,
gravelly slope, between Monterrey
and Saltillo, 24 miles east
of Saltillo in Nuevo Leon.
Alt 4000 ft.
Nov. 17th

58105 *Nerisyrenia camporum* (Gray) Greene ②
Perennial, gravel outwash from
mountain, between Saltillo and
Monterrey, 21 mi. ~~south~~ east
of Saltillo, Nuevo Leon
Alt 4,000 ft.

58106 (*cuneifolia* ?) *Nama undulatum* HBK.
Fls. magenta, flat desert, canyon
1300 ft.
alt 4,200 ft

58107 (*cuneifolia* ?) *Coldenia purpurea* Brandegee
Fls. magenta, forming mats
as 58105

58108 *Parthenium incanum* HBK
low shrub, 2 ft high
as 58106

58109 *Heliotropium Torreyi* L.M. Johnston.
low grey shrub, 1 ft high. S. Ca. near
Lemur, steep slopes
as 58105

58110 *Flourensia cernua* DC. Comp.
viscid shrub, 1-2 ft, desert,
heavy soil, 10 miles east of
Saltillo, Coahuila - 4,800 ft.
Nov. 17.

58111 *Tridens avenaceus* (HBK.) gramin. ⑥
tafted
as 58110 det. Reeder

58112 *Pectis angustifolia* Torr. Comp.
heads yellow, prostrate
as 58110

58113 *Flaveria trinervia* (Speng.) C. Mohr (Bergs.)
prostrate herb, no leaves & sweetish,
heads yellow
as 58110

58114 (*Haplodesmus*) *Haplodesmus greggii* Gray var.
herb, yellow, similar to *Haplodesmus greggii*
as 58110

58115 as 58114 *argyrata* [complex]
S. of Puebla, Mexico
2 miles south of Ixtlán, Coahuila
Alt. 6,000 ft. elev. 1600. 18
subsp. *diffusa* (Roll.) Roll. & S. how

58116 (*Thlaspi*) *Dispergularia scabrum* C. & S.
Fls. yellow, 2-3 in. diam. - 2 in.
fruits white, 1 in. long

dioicus Cav.

5/11 *Glyptothecesma palmarii* Wats. bilob.
Fls. pale yellow with dots of orange, 10 mm.,
as 58113

5/119 *Pentameris bipinnatifida* (Ortega) Rollins
Annual, p. 212

5/8/11 *Townsendia mexicana* Gray
fls. pink

5/121 *Agave argentea* (Gray) Wats.
Fls. yellow & white
as 58121

$$n=7$$

5/122 *Toxelia coerulea* Don. fruit
Fls. purplish blue, calyx translucent
as 58121

58/23 *Dysodia pinnata* (Cav.) Rob. var. ^{var.} *pinnata*
heads with deep orange, pinnate
as 58/21

58/24 *Dysodia petifolia* (Lag.) Rob. var. ^{var.} *petifolia*
heads orange, subcylindrical
as 58/21

58/25 (?) *Hedysotis acerosa* Gray
Fls. pinkish lavender, pinnate
as 58/21

58/26 *Bontelma gracilis* (?) Lag. (4)
as 58/21 det. Becker

58/27 *Brickellia veronicoides* var. ^{var.} *petiolaris* (Robt.)
Rayless, small shrub up to 8 inches
high
as 58/21

subsp. *diffusa* (Roll.) Roll. & Shaw

58128 *Lesquerella argyraea* [complex]

Scenes more dense than 58127

12 miles south of Tolt Hills,

Alt. 6,400 ft.

open plain

58129 *Giliastrum canescens* Gray

Plants reddish orange

as 58128

58130 *Nemiprenia Castellonii* Rollin

Flo. white to pinkish. mostly white
hemispherical cymes with ascending
leaves and stems. clay like flat,

10 miles south of Tolt Hills,

Alt. 6,600 ft

No. 18,

58131 ~~Lesquerella~~ *Tetradymia* (Gray) Wats. ⑥

hemispherical cymes, as 58130

n = 6

58122

Parthenocissus confertum Gray var. *lyrata*

Large root - branched or branching p. annual
in 58130

(6)

58123

Sibiraea stellatum (Wats.) Schubz (12)
apetals, slightly wavy at base, greenish,
in shade of a large shrub, flowering
in open place, 26 miles south
of Fort Verde

Nov. 18

58124 *Salvia macropoda* Robt. (12)
plants with long foot growing on side
of low shrubs.
in 58133

58135

Salvia greggii Gray

Shrub about 3 ft. high for
height of 12 in.
in 58133

58136

(12)

Astro Scheffneri (Wats.) Schulz
 var. *pringlei* (Schulz) Rollins
 Fls. white, l. or dark, widely branching,
 often green at middle, l.
 desert shrub 10 ft.
 as 58133

58137 *Nolana sinuata* var. *cochinchinensis* (Cochin)
 Weather
 base of thorny shrubs. l. 10 ft. ①
 as 58133

58138 *Coccoloba Wrightii* Hiscox ①
 moist earth along stream bed
 as 58133

58139 *Cabotia macropetala* Rollins ⑩
 Fls. white, petals spathulate, shade
 of desert shrubs, steep slopes,
 12 miles east of Saltillo, Coahuila
 alt. 6,000 ft.
 Nov. 19, 1958

58140 *Bergnerella Fendleri* (Gray) Wats. ①
 erect habit, only plant found.
 open soil
 as 58133

58141 *Sphaeralcea antisapientica* Meier.
Small shrub, white, blue & white
fls.

(Gray) Wats.
Sphaeralcea argyraea [complex]
prob. ssp. ~~argyraea~~
subsp. *diffusa* (Roll.) Roll. & Shaw

58143 *Nicotiana paniculata* Tryon ①
Stems of sea shrubs.

58144 *Chileanthus* sp. (Herrera) Kuhn ①
~~58143~~

58145 *Chileanthus castanea* Makoy ①
as 58144

58146 *Chileanthus eschscholtziana* Kl. ①
as 58145

58147 *Nathalia sinuata* var. *integerrima*
Hoch (2)

58148 *Melanopodium leucanthemum* Gray
var. *leptophyllum* rusty var. *angophyllum*
Gray (Gray) Steyermark
as 58139

58149 *Lysimachia Fendleri* (Gray) Wats. (5)
Rocky exp. 2. side, 15 min. so.
in Coahuila, at 7000 ft.
Coahuila

58150 *Asplenium cuneifolium* Nutt. (5)
as 58149

58151 *Salvia greggii* A. Gray.

Flo. pink, 2 ft. tall, as 58149

as 58149

58152 (*Verbenaceae*) *Buddleja marrubifolia* Benth.
Fls. orange, shrub 11 ft. high
Coahuila

58153 *Nolinia* s. *Emilia* s. *Var. Mexicana*
(Maxon) Brown ①
Soil of steep bank among rocks and
new debris at 1.
as 58149

58154 *Nolinia* s. *Emilia* s. *Var. Mexicana*
(Maxon) Brown ②
dry soil on a
bank at 1.
as 58153

58155 *Thlaspi* s. *var. pilosum* (L.) W. C. Wright
dry soil
at 1.

Thlaspi s. *var. pilifera* R. Br. ④
dry soil on a bank at 1.

58157 *Loewelia ciliata* L. n. sp. ?
Fls light purple, trailing
herb.
as 58149

58158 *Pinaropappus roseus* Less. ♂
base of the first coniferous forest
pine forest, sea int., 21 miles
southeast of Saltillo, alt 7,300 ft.
inconsp. Nuevo Leon

Nov. 20

58159 *Pinaropappus roseus* Less. ♂
base of the first, damp, open
as 58158

58160 *Leucospermum resinifera* Kze. ♂
Chaparal
as 58158

58161 *Lesquerella argyraea* (Gray) Wats.
subsp. *diffusa* (Roll.) Roll. & Shaw
[complex]
Rocky talus slopes
as 58158

58162 *Wepidium oblongum* Small
under shrubs. (2)
as 58158

58163

Antiphytum heliotropioides A. DC.
Benth.

W. of base, foli. w.
as 58158

Nuevo León

echinatum Schaffneri (Wats.) Schulz
var. *Pringlei* (Schulz) Rollins ①

as 58158

Nov. 20 1900

58165

baccharoides argyraea subsp. *diffusa*
decumbent with a terminal rosette,
plants in exposed places much
denser and more compact
lower edge of pine woods.
3½ miles north of Saltillo, null
of providencia, Nuevo Leon.
alt 6,700 ft., nov. 20

(canariensis?) *Drymania laevis* Benth.

2.5

2.0 1.5

58/67 *bepidium mollis* Nutt., var. *albipoides* (Gray)
Jones
level alkali area, about 1 mile
south of Providence, ^{Mesophytic.} 46 miles
south of Saltillo, ad. fls. & g.
Nov. 20

58/68 [] *Verbena encelioides* (Cav.)
as 57/67 Benth. & Hook.
det. C. B. Heiser, Jr.
Ximenesia encelioides Cav.
det. Marshall Johnston

58/69 *Turp. mexicana* Spw.
Sergi: p. 23 - 58/69

81/70 *Phytolacca bolleanum* (Scam.) Eich.
on *Turp. mexicana*,
fruits translucent wld.

58171 *Synthyridia Greggii Gray* (10)

Fl. purple, drooping, among
deciduous trees.

south of La Paz, B. Mex. 1,500 ft.

80 miles south of San J.

Alt. 5,000 ft Nov. 20

58172 *Aphaeraleea subhartata* Coulter

as 58171

3 *Peregrina vana Gray*

Fls. deep yellow to nearly orange

as 58171

58175 *Nerisyrenia Castillonii* Rollins (4)
Fls. white, rays yellow, leaves
mostly linear.
many hybrids of grayule & mainland at
the top, 29 miles west of Las Cruces.
New Mexico, alt. 5000 ft. Nov. 20

58176 *Conoclinium greggii* Gray
Fls. blue, rays fine
as 58175

58177 *Dyschoriste linearis* (T&G) Ktze. (approaching
Fls. purple to west of Tucson) *D. greenanum*
as 58175

(Gray) Wats.

58178 *Bergia argentea* [complex]
dry exposed places in shale, Laramie Co.
~~near~~ bunch grass meadows, 3 miles
south of Laramie, alt 5000 ft.
Nov. 20

subsp. *diffusa* (Roll.) Roll. & Shaw

5817^o *Cowenia plicata* D. Don Rosaceae

Shrub up to 5' tall, stems

of bluff above a stream, the purpleish
red, bark grey.

as 58178

(Gray) Wats. (Roll.) Roll.
Show

5818^o *Crataegus argyraea* subsp. *diffusa*,

fruits pale yellow, stems

dark red, stems dark red,

leaves grey, rocky hill.

habitat like 58178

as 58178

2 miles west of Pánuco

as 58178 Nuevo León

5818 *Crataegus macrocarpa* Roll.

4 m. no flowers, stems red.

soil brown - alt 6,000

Nuevo León

5819 *Crataegus Schadwern* (Wels.) Schadw.
var. *praeangustifolia* Schadw.

58183 *Partium bipinnatifidum* (Ortega) Rollin
Anual, Acacia - based s. w.
alt. 6,300 ft. in Nuevo S. o
~~(1)~~ 26 miles south of Chiquimula,
San Juan p. l.
Nov. 20.

58184 *Isoglossa argyraea* [Coulter]
Prostrate, greenish red - veined plant
growing in deep sand b. s. in
leguilla thickets, narrow and
more silvery. pale blue flowers in
on limestone cliff - both in 2 stages
pale, slightly spreading at distance.
10 miles south of Matanzas,
S. L. P. - alt. 5,300 ft., Nov 21
subsp. *diffusa* (Roll.) Roll. & Shaw

58185 *Pterostylis stewartii* I. M. Johnst.
Fls. purple, lvs. green

58186 *Zuluania triloba* (Ort) Pers. var.
Common, Barren - acacia scrub
18 miles south of Malehada, S. L. P.
alt. 4,800 ft.
Nov. 21

58187 *Nesogilia castillonii* Rollins ⑧

Fls white. A. b. plant.

Leaves & stem " "

abundant in gypsum flat, gypsum -

Fls smaller than those of *Molinia*.

Stems fls. all white. 5 ft

for 5 ft.

58187 *Leymus erecta* L.

Fls. white. A. b. plant.

Leaves & stem " "

20-30' tall

- *pedunculata* Engelm. et Wats.

58187 *Carex* sp.

20-30' tall

(new) Cereole

58190 *Mytillocactus geometrizans* Cact.

Highly branched, trunk up to 1 ft. in diameter, 6 ft. at base, up to 4-15 ft. high, trunk and branches 1-2 in. in diam., spines on the ridges.

50 miles north of Toluca, alt. 7,000-8,000 ft.

Nov. 21

58191 *Gibberina stellatum* (Wats.) Schulz (15)

Large, branched cactus, spines present, steep hillside

50 miles northeast of San Luis Potosí on the road to Matehuala, alt. 5,000 ft. Nov. 21.

58192 *Lesquerella schaffneri* Wats.
with terminal rosette, fruiting branches trailing
≈ 58191

58193 *Aita Schaffneri*, (Wats.) Schulz (6)

58194 *Veridium laiocarpum* Nutt. ♂
as 58191 var. *orbiculare* (Thell.) C. B. Hitchc.

58195 *Acalypha linearis* Cav.
Fls. pinkish, lighter in tube
as 58191

58196 *S. o. subsp. *lukowiciana** Nutt.
Fls. pinkish, lighter in tube
as 58191

Cheilanthes horridula Maxon ♂
as 58191 [see 58318]

58197 *Notioloma rosea* (Liebm.) Tzvelev ♂
Rock crevices and humus pockets,
as 58191

58199 *Sphaeralcea angustifolia* (Cav.) G. Don Makcaev
Fls. pinkish Shrub up to 4 ft
bright
as 58191

58200 , , , , Gray (8)
pinkish-purple, branched,
as 58191

58201 *Helietta parvifolia* Benth.
dark, - - - -
quiet
as 58191

58202 *Hibiscus Cardiophyllum* Gray Malme
Fls. open
Shrubby at base
as 58191

58203 *Holodiscus heterandrius* D.C.
Fls. 3-5 cm. open
15 miles. north of San Juan Potosi
alt. 6,400 ft.
Nov 21, '58

58204

Halimolobos parryi (Hemsl.) Rollins1715
③

also white, dotted
yellow and blue
as 58203

58205

Apocynum lasiocarpum Nutt.

②

as 58203 var. *orbiculare* (Thell.) C. L. Hitchc.

58205a

W. oblongum Small - ①

58206

Bouteloua stolonifera n. sp. nov. det. tent. ④

1850 ft. -
S. E. - 22

58207

Leaves over 10 cm. long
Stems erect, pedicels sigmoid
limy gravel, 16 km. S.E.
Southeast of Durango, Co.,
S. L. P. Alt. 6,400 ft.
Nov. 22

58208

Syngonias - *Greggii* Gray, var. *bisidula* Rollins 5
Fls. pale blue - decumbent,
as 58203

58209 *Halmoldora parryi* (Hemsl.) Rollins ④
Shade and protection of thorny bushes and
cacti - 18 Km. southwest of ~~Arizona~~
alt 6,400 ft S.L.P.!
Fls. white

58210 *Dicrania virletii* (Forst.) Schulte ④
glandular pubescent at angles
pedicels 2-3 mm.
as 58209

58211 *Nanocyathus castillonii* Rollins ④
Fls. white
as 58209

58212 *Blepharidium schaffneri* Wats.
large plant - base - small ^{fls} -
moderately pubescent
as 58209

See 58389 from same loc. as 58209

8213 *Cheilanthes myriophylla* Desv. ♂
Bilite rock in shade
as 58209

See 58319

58214 *Phlegmariocandra* L.
Bilite rock, 2000 ft., up to 31 ft.
15 miles west of town in forest,
S.W. p. - alt. 7800 ft.
Nov. 23.

58215 *Cleianthes* sp. ♂
man made (recultivated) on rocks or
shaded bilite, 105 miles west of
town in forest. S.W. p.
alt. 7800 ft.

58216 *Notiolaea aurea* (Poir.) Desv. ♂
as 58215

8217 *Selaginella pallens* (Br.) Spring ♂
as 58215

58218 *Pellaea ternifolia* (Cav.) Link var.
as 58215 *ternifolia* ♂

58219 *Pellaea ternifolia* (Cav.) Link var.
as 58215 *ternifolia* ♂

58220 plantage
Rocky knoll

58221 *Regopogon cenchroides* HB ♂
as 58222 ex Willd.
det Keeler

58222 *Pellaea ovata* (L.) (sv.) Wreath. ♂
at base of arboreo-cacti, gentle slope,
40 miles southwest of San Luis Potosi,
S.L.P. alt. 7,400 ft.
Nov. 23

58223 *Nolana urea* (Poir.) Resv. ♂
as 58222

58224 *Nolana sinuata* (Sw.) Kuntz, var.
as 58222 *Sinuata* ♂

58225 *Cheidelia myriophylla* Desv. ♂
as 58222

58226 ♂ as *n. sagittata* (Lam.) Link var.
as 58222 *cordata* (Lam.) A.R.T.
Tryon ♂

58227 *Stellaria bivalve* (L.) Britton
Fls white, purple stripes
Sleepy grassy area

58228 (*sinuata*) *Mecandonia Vandellioidea*
Fls yellow (HBK) Pennell
as 58227

58229 *Habenularia Palmeri* (Hensl.) Schlecht. ♂
var. *acutiloba* Rollins
base of cacti as 58222
only plant for ♀.

(Cv) G Don

58230 *Aphaerataea angustifolia* Malvaceae.

Rose Lane & fir, 4 miles west

of Ojinaga, S. L., Tamaul.

alt. 7,600 ft.

Nov. 23

58231 (*Holianthus*) *Evolvulus prostratus* Rob?

On glade, wood, at base of hill
in decaying rock 5 miles west

Ojinaga de Tamaul.

alt. 7,600 nov 23

58232 *S. aginella* *Santori* Hieron. ②

Malva on rocks, 2 miles west

as 58231 [see 58320]

58233 *S. aginella nigra* Anderson. ①

Malva on white rocks, 2 miles west

of Ojinaga, S. L., Tamaul.

alt. 7,600 ft. nov. 23

58234 *S. aginella* *Sellowii* Hieron. ④

as 58233

58235 *Cladonia hirsutissima* (L.) Schrad. ①
abundant on small rocks
in rock crevices
as f. c. 2

58236 *Mesocolea mexicana* H.Bz. ③
Floating in small pools, 2 miles
north east of Tlaxco, ^{epiphyte}
Queretaro - alt. 3,000 m.
Nov. 24

58237 *Bepidium sordidum* Gray ①
abundant on
flat land, 19 miles south of
Tzatzicac, Zacatecas

58238 *Hypnum virginicum* L. ②
var. ^{durangense} _{durangense} C. W. Hitchc.

58239 *Hypnum Palmeri* (Swartz) Schrad. ③
as 58237 var. ^{acutifolia} _{acutifolia} Robins.

58240 *Parthenocissus bipinnatifida* (Ost.) Roll.,
as 5823 an sp.

58241 (Plat.) *Dyscodia tenuifolia* (Cara.) Roll.
subsp. *diffusa* (Roll.) Roll. & Show

5 *Plantago*
as 5824

58242 *Luzula simplex* Huds. ♂
plantado det. Bremek.

58244 *Luzula argyraea* [Complex]
partly at soil surface
in sand, limestone rubble, thin -
ranker decumbent
5 miles north of Zocalerca
Zocalerca - alt 7,500
Nov. 24
subsp. *diffusa* (Roll.) Roll. & Show

58245 besnier φ argyraea [complex]
Fls. yellow, fruiting stems decumbent,
calyx open at anthesis, bl. in tufts subter-
ranean, 12 miles north of
Zacatlán, Veracruz. alt. 7000 ft.
Nov. 24
subsp. diffusa (Ridl.) Roll & Shaw

58246 *Receda luteola* L. ?
Vigintiduodecim fls. in wh. cymes
bl. in tufts subter. -
as 58245

58247 *Gomphocarpus fruticosus* (L.) Gray ⁽³⁾
Fls. yellow, stems decumbent, fruiting
tufts subter. bl. in tufts subter.
fls. in wh. cymes
protection and shade - as 58245
20 miles north of Zacatlán,
Zacatlán - alt. 7000 ft.

58248 *Tellima mexicana* Gray ^{by}
 φ fls. in wh. cymes, decumbent, rays white
as 58247

querrifolia (HBK)

58247 *Selago stramonium* L. subsp. Barclay
Annual, widely scattered, particularly
by cactus and acacia, flat in
area, 32 miles north of Zacatecas,
Zacatecas - Alt. 6,500 ft
Nov. 24.

5825 *S. glandulosa* ? *auriculatum* Gray (10)
1 to 2' tall in open ground, sprawling
in bushes, perennials. Basal leaves
obcordate, divided.
Nov. 24.

5826 *S. glandulosa* (Lam.) Schlecht (4)
1 to 2' tall in shade of cactus and
acacia - as 58247

58252 *Palmilobus acutifolia* (Burm.) Schult. ①
Fls white, pink & yellow.
20 miles west of Fresnillo, Zacatecas.
Alt. 7,000 ft.
Nov. 25.

58253 *Ophioglossum Engelmannii* Blaenl. ②
Clay soil - - - - - in shade
and all along open in deciduous
forest. 2000 ft.
32 miles north of Fresnillo,
Zacatecas Alt. 7,000 ft.
Nov. 25.

58254 *Palmilobus* ^{var. acutifolia} *Pittieri* (Blume) Schult. ③
Cordilleran - - - - - 2000 ft.
Passing 2000 ft. on right
on also 3000 ft. ~~above~~ 3400 ft.
west of Fresnillo, Zac.
Alt 7,000 ft - Nov 25.

58255 - *Palmilobus acutifolia* (Burm.) Schult. ④
Fls pink & yellow. 2000 ft.

58256 *Cheilanthes villosa* Davenp. ♂
crevices & viol. to rocks, or east-
face of exposure.

58257 *Cheilanthes Eatoni* Baker ♂
as 58256

58258 ♂ juv. *thyssanolepis* R.B.R. ♂
as 58257

58259 as . . . *mispida* (Muell.) Kunze ♂
as 58257

58260 *Selaginella peruviana* (Milde) Griseb. ♂
as 58257

58261. . . . *Lindheimeri* Hook. ♂
as 58257

58262 part of *bipinnatifidum* (Ort.) Rollis ♂
annual, bran. above
as 58257

58263 *Dahlia involucra* Mill. (7)

Succulent white, at widely branching up to 3 ft across. (largest leaves taken) crevices, ^{downward} facing ~~of~~ ^{the} ~~hydolite~~ base - 55 miles. north of

Fres. villa, Barrios P. & L. ^b
Zacatecas Oct 6, 1900 (ff.)
Nov 25 (5 miles n. of Rio grande)

- 828. *Abutilon ellipticum* Schlecht. Malv.

Fls. 58263, 1, woodsy at base

656 *Visadula holosericae* Schaeff., A.C.

— 1 p. 200g. mean + 10%
as 2263

582 *ad* *conspicua* Cav.

For example, *polynomial*, say -
as 58263

58267 *Nolholaena sinuata* (Sw.) Kaulf., var.
as 58263 *Sinuata* ①

58268 *Nolholaena amae* (Poir.) Schku. ♂
as 58263

58269 *Scleropogon brevifolius* Phil. ♂
Flowers changes - level of - & - h.
area det. Reeder

58270 *Halmichelia laevigata* (Link) Schku. ①
Under protection shrub
58 miles west, ~~in~~ ^{near}:
Zacatecas alt. 5,000
sin. 22°

58272 = *Pithecellobium* HBK
= tree up to 15 ft. in hillside in
state colonia route, 32 miles
west ~~in~~ ^{near} (Sombostete) Sonorensis.
Zacatecas alt. 7,103 ft.
NOV. 25

58271 = Shrub up to 15 ft. bark light gray,
petals greenish white
as 58272

58273 *Lesquerella schaffneri* Wats.
Fls white, ribbed, pubescent
glabrous, styles linear, slender,
sprawling in broken, limestone
plate, 23 miles ^{north} east
of Sonora, Mexico.
Alt. 7,800 ft. Nov. 25.

58274 *Bergrolieria lyata* Benth. (3)
~~parthenium~~
perennial with a deep root system;
leaves white, notched at top, 1-3
cm apart from each other, basal
on the stem.
as 58273

58275 *Parthenium bipinnatifidum* (Ortega) Pob.
single white flower, annual,
much branched. (3)

58276 *Marsilea mexicana* H.Br. (3)
margin and floating in a shallow
pool, roadside, large leaves
four among others. 5 miles
north ~~of~~ range.
alt. 6,400 ft. Nov. 26.

(7)

58277 *Datum inotia* Mill.

Flo white, plants in patches,
ca 2 ft. high, up to 4 ft across.
Limestone - on steep bank; altitude
58 miles northeast of Durango,
Durango alt 6,630 ft.

58278 *Lesa* - ?

prob. L. l. l. - on cliff - 1400 ft.
on limestone cliff - as 58277

58279 *Berlandiera lyrata* Benth. (14)

~~open area on rocky soil~~
~~in open areas~~

rays yellow, purple veined below, 8
ray flower per head, corolla down-
ward, style 2-3 ft. -

58280 - (?) good Greggs Gray (5)

Flo pink, occas. white, sprawling
on a gravelly bank, limestone rock
soil, sand a major ingredient.
74 miles northeast of Durango,
Colo. alt 6,000 ft.

Nov. 26

 $N = 10$

58281 *Ingeralis Fendleri* (Gray) Wats. ①
bark scaly, perennial, live on
slope 78 miles northeast of
Durango betw. Guadalupe Victoria
and Encana, alt. 6,000 ft.
Nov. 26.

58282 = *Opuntia arborescens* Engelm. (?)
Stems spreading, up to 5 ft. high,
nasty at base, spines long
+ sharp, glaucous, skin soft touch.
82 miles northeast of Durango,
between Guadalupe Victoria and
Encana, alt. 6,000 - 6,500 ft.
Nov. 26

58283 *Syntypesis magnifica* Gray ①
Fls. pink - under shrubs

87 miles northwest of Durango,
between Guadalupe Victoria and
Encana, alt. 6,000 ft - Nov. 26

①
58284 *Notholaena sinuata* var. *cochisensis* (Golds.)
Local on limestone ledges. Wm. W. Smith.
as 58283

58285 *Thlaspi Wrightii* Hook. ♂
Under igneo. rocks
as 58283

58286 *Anoda pentastichia* Gray var.
Tulsa, Okla. P. F.
as 58283

58287 *Portulaca bipinnatifida* (Ortega) Pollich. ③
Sandy flats, 1 mile southwest of
Minocoma, Durango, Co., Colorado,
alt. 5,400 ft. - Nov. 26

58288 *Nerisyrenia camporum* (Gray) Greene 5
Fls. white, fruits warts ad. annual
Larrea - manzanita flat

54 miles southwest of
La Junta, northeast of Cuernavaca,
Durango

Nov. 26 alt. 4,900 ft.

58289 *Nicotetia edwardii* Gray 3-
rays p. p. 3-4 mm, dark stripes
on back, annual
as 58288

58290 (Pedianthus) *Euphorbia antisypalitica* Zucc.
48 m. SW. of Tolucan 4800 ft.
crevices & 1st soil variety
(Orchidolites?)

58291 *Thelephora paysonii* Rollins ⑦ 5
same as 58290
annual, stems exceeding 6 in.
2-3' tall, pubescent, fls. white
rocks crevices, decomposed rock,

58292 *Thlaspi horridula* Maxon ①
as 58291

58293 *Neesia pycnophyllum* (Gray) Greene (14)
Fls. white, very woody at base, leaves
mostly entire, spreading, thick and
densely compact.
steep slope of desert limestone in
calcareous or (gypsum?) soil. 1100 ft.
42 miles east of Torreon, Coahuila
alt. 4,500 ft Nov. 27
 $n=11$

58294 *Lepidium lasiocarpum* Nutt. (9)
Incl. as 58293

58295 *Polygonia lepidophylla* (Huds.) Greene (1)
in crevices of rocks Spring
as 58293

58296 *Thelypodium Parryi* Rollins (9)
Fls. white, pedicels at right angles, silicles
slightly arcuate, largest plant 2 ft.
high. smallest 4 inches, 44 miles
east of Torreon, Coahuila
Alt. 4,500 ft Nov. 27

~~58297~~ 58297 *Votholalma Standleyi* Maxon (1)
crevices of rocks.
as 58296

(3)

58298 *Nerisyrenia camporum* (Gray) Greene
Fls white, leaves dentate
as 58297.

58299 *Lepidium lasiocarpum* Nutt. var. *orbicularis* (Thell.) Hitchc. (2)
stone slope same as
as 58298

58299a - *b. lasiocarpum* Nutt. - unripe in fls. Spring (2)

58300 *Selaginella lepidophylla* (Hedw.) Britt.
Rock crevices - leaves wrinkled

58301 *Nerisyrenia camporum* (Gray) Greene (1)
Fls. white, open desert.
72 miles east of Tonopah,
Coahuila, alt. 3,900 ft.
Nov. 27

58302 *Polygala obscura* Benth? (too young)
Desert - 3,900 ft.
Soils, rocks, sand dunes
Coahuila alt. 3,900 ft.
Nov. 27

58303 *Datura metea* Mill. (2)
Fls. white -

1800 ft. 22 miles east of Pácora - junction off
to Parras, Coahuila.
alt. 4,200 ft. Nov. 27

8-22 *Physalis confusa* Gray, var. *lifetiana* Griseb. (4)
fls. white.
as 58303

58304 *Milium parvifolium* Tourn. (1)
var. *lindheimeri* (Burm.) Greene
Coahuila - 16 miles E. Pácora
Coahuila - alt. 3,000 ft.

58306 *Physalis intermedia* Nutt. or Nutt. (1)
as 58303

68307 *Chenopodium Eatonii* Baker (3)
as 58303 [see 58317]

58308 *Selaginella Wrightii* Hieron. (1)
as 58303

58309

Heliotropium confertifolium (Torr.) Gray
 Caespitose, with small branched lvs.
 7 miles west of Satillo, Guat.
 alt. 6,000 ft. - Nov. 27

58310

H. epigaeum oblongum Small (10)
 10 miles west of Satillo
 alt. 4,800

58311

Syntithysia Greggii Gray. (8)
 Fl. white, spreading, 2-3' tall
 rubble, at base of steep hill
 Satillo
 alt. 2,000 ft.
 flowered ad 1 no

58312

S. Greggii Gray var. (4)
 - at base of steep hill

58313 *Lesquerella Berlandieri* (Gray) Watson
Basal rosette - annual
shallow soil on limestone, 5 miles
east of Cedar City. San Juan Mts.
and Colorado Plateau. Found here
alt. 1100 ft - Nov. 28th

58314 *Lesquerella confertus* Gray var. *microcephala*
annual

58315 *Lesquerella Berlandieri* (Gray) Watson
basal rosette
shallow soil on limestone
alt. 1100 ft - Nov. 28th

58316 *Lesquerella hindheimeri*
basal rosette
black soil prairie type, on
Marble Mountain, 8 miles N.E.
of Moab, UT, The Kaiparowits
Sea level - Nov. 29th

58317 *Netholaena fischerioides* L. split from 58307, same data. ①

58318 *cheilanthes netholaenoides* (Desd.) Blatt. split from 58197, Same data. ①

58319 *Marsilea Fournieri* C.Chr. ③ Same data as 58209 but muddy border of spherical pool. This coll. was not listed originally.

58320 *Selaginella peruviana* (Milde) Heim. split from 58232, same data. ①

58321 *Rhynchosia polygonoides* Avereng (Euphorb.) Same data as 5895 which it was originally labeled.

1)

2)

